

Fig 1

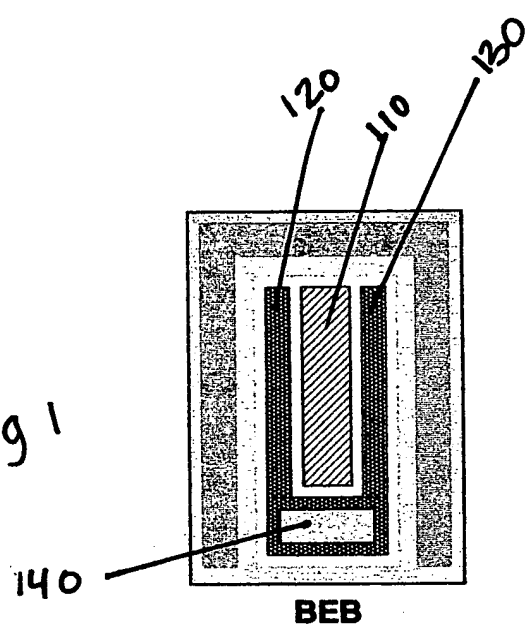
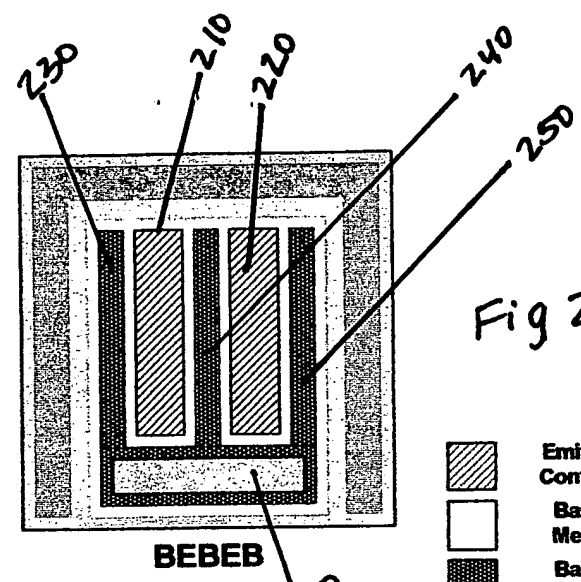


Fig 2



- Emitter Contact
- Base Mesa
- Base Contact
- Base Tab
- Via
- Collector
- Collector Contact

Fig 3

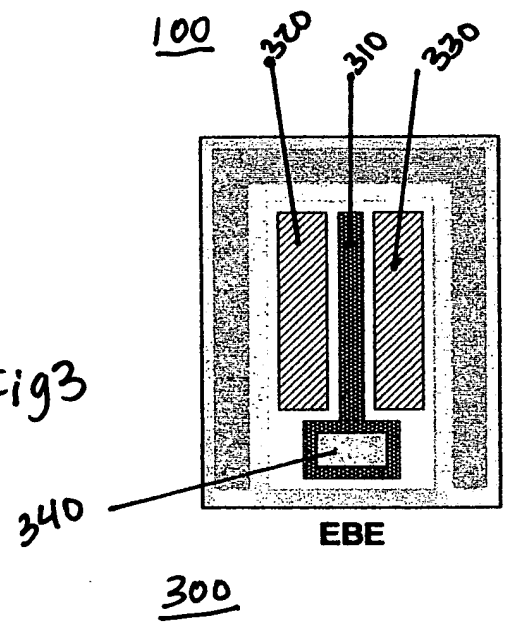


Fig 4

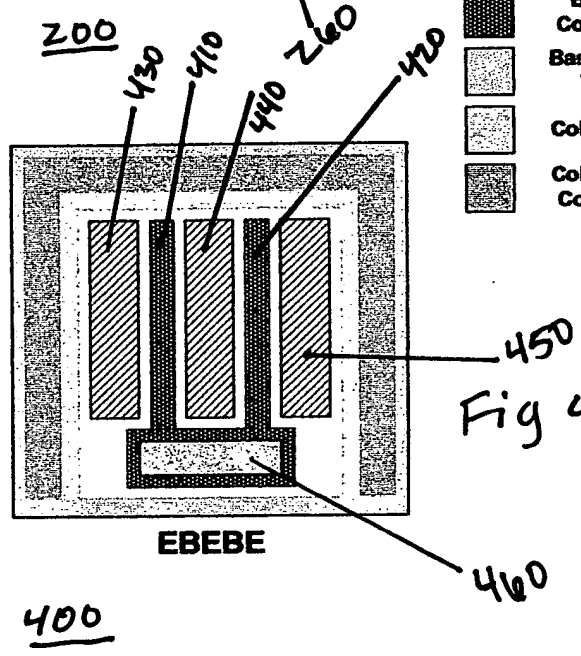


Fig 9

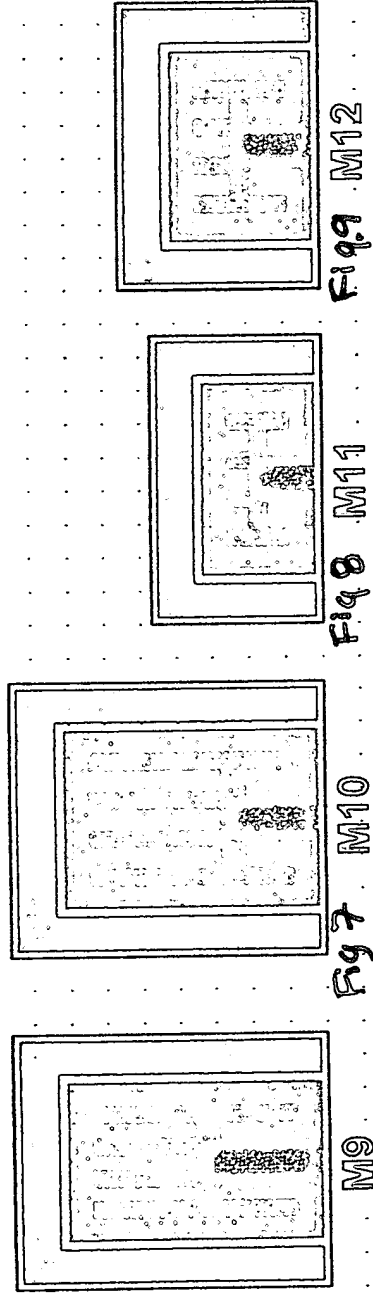


Fig 10

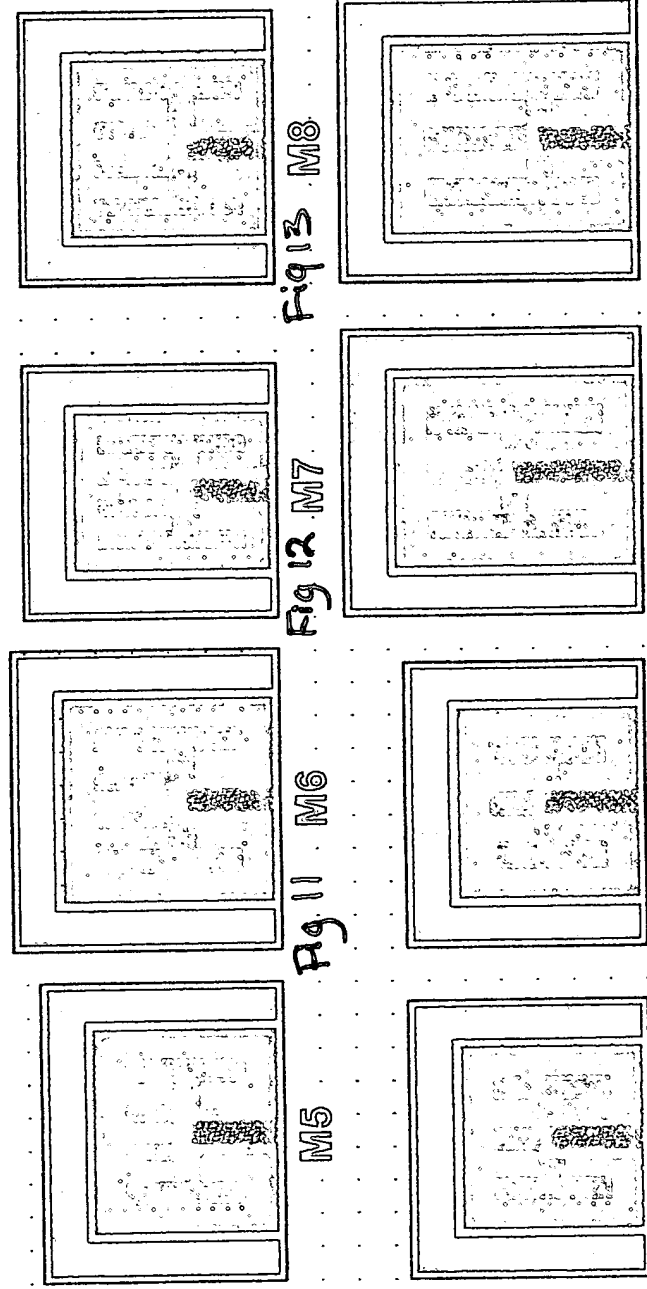


Fig 14

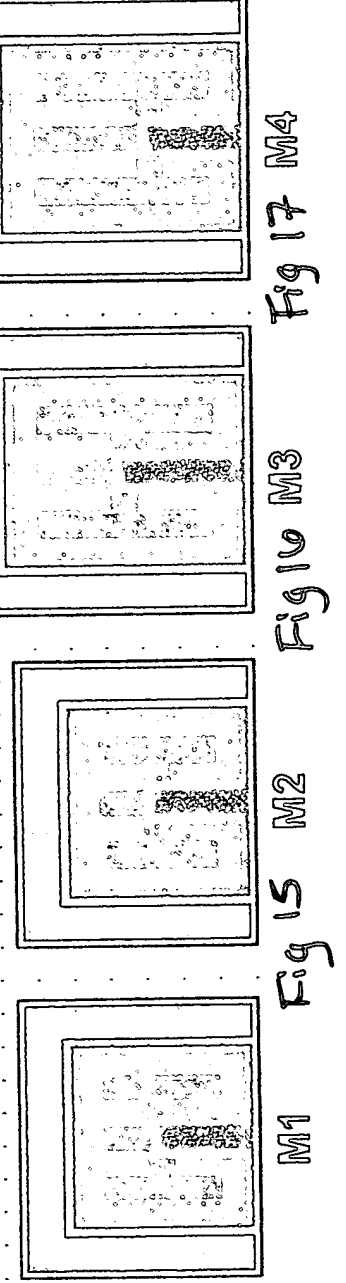


FIG. 18

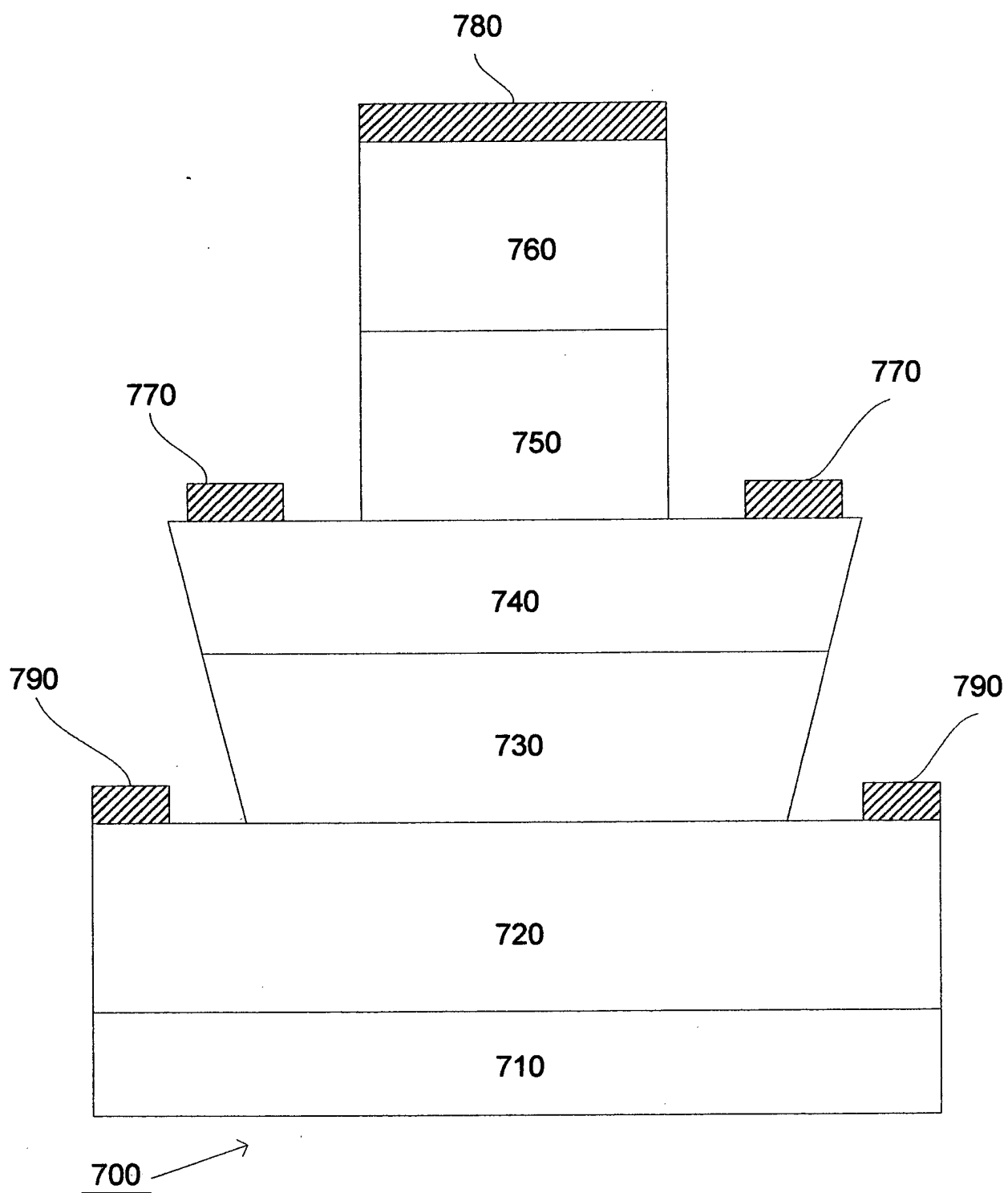


FIG. 19

Hairpin

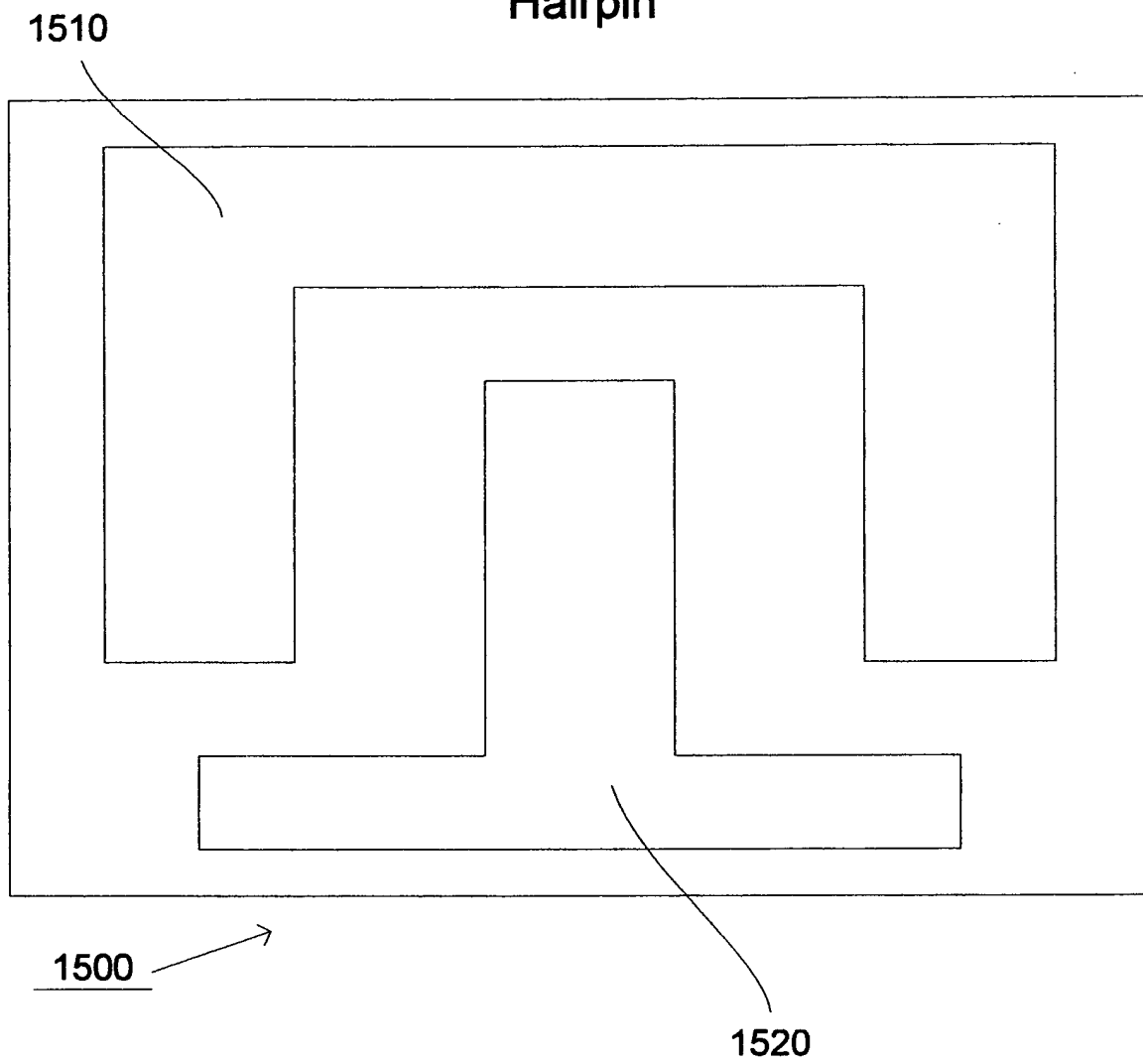


Fig 20.

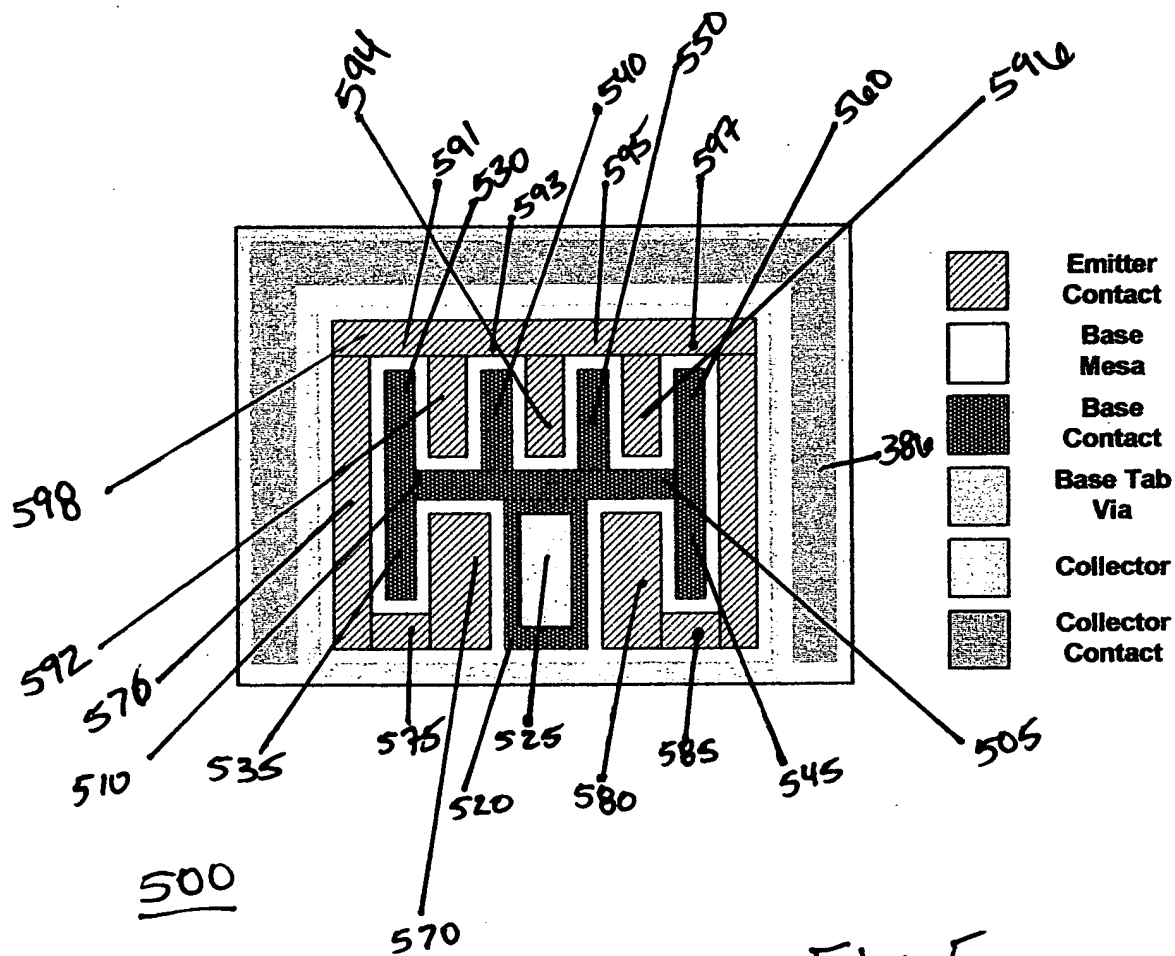
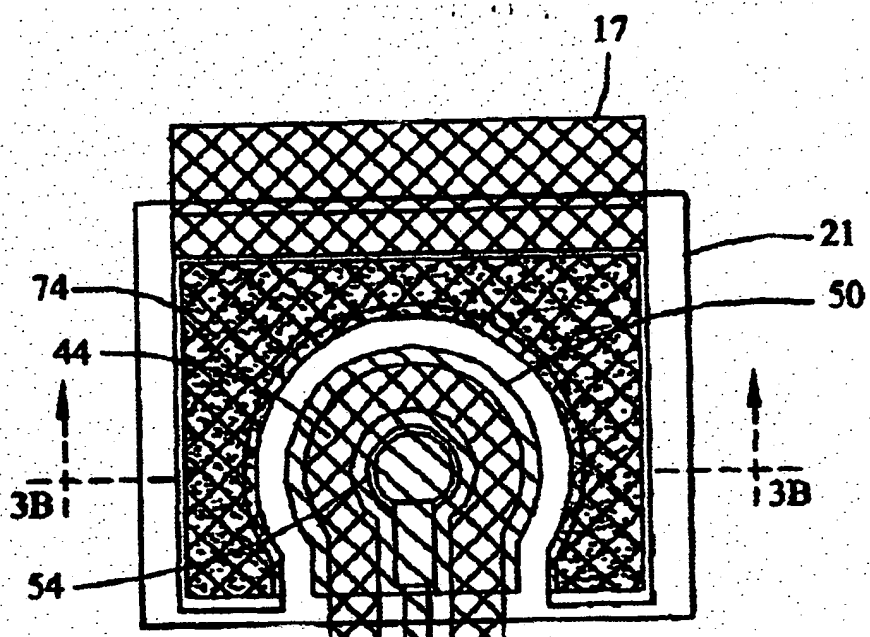


Fig 5.

	E_A	E_P	B_A	B_P	E_A / B_A	E_P / B_A	E_P / B_{CP}	FOM-1	FOM-2
SBC	405.0	288.0	1148.4	419.0	0.353	8.499	0.687	1.000	1.000
GHP	405.2	274.8	1037.9	128.9	0.390	8.529	2.132	1.230	0.494
TQB	132.0	140.0	337.0	88.4	0.392	7.628	1.568	1.107	0.889
M1	300.0	208.4	674.0	120.6	0.445	7.950	1.711	1.490	0.952
M2	308.0	210.4	698.6	122.6	0.438	7.960	1.716	1.444	0.917
M3	403.3	275.2	928.7	171.2	0.434	9.031	1.807	1.611	1.207
M4	416.1	275.2	928.7	171.2	0.448	9.031	1.807	1.715	1.284
M5	354.0	235.2	765.0	142.2	0.463	8.504	1.654	1.723	1.198
M6	409.5	272.2	878.2	171.8	0.466	9.185	1.584	1.890	1.471
M7	242.0	242.2	630.1	159.8	0.384	9.849	1.516	1.347	1.188
M8	303.5	254.2	710.2	165.8	0.427	9.538	1.533	1.648	1.408
M9	317.4	315.2	821.3	216.6	0.387	10.999	1.455	1.555	1.553
M10	408.8	335.2	925.7	230.6	0.442	11.017	1.454	2.033	2.039
M11	193.4	158.0	434.7	86.6	0.445	7.482	1.801	1.401	0.795
M12	253.5	193.8	554.8	116.0	0.457	8.228	1.671	1.624	1.102

FIG. 21

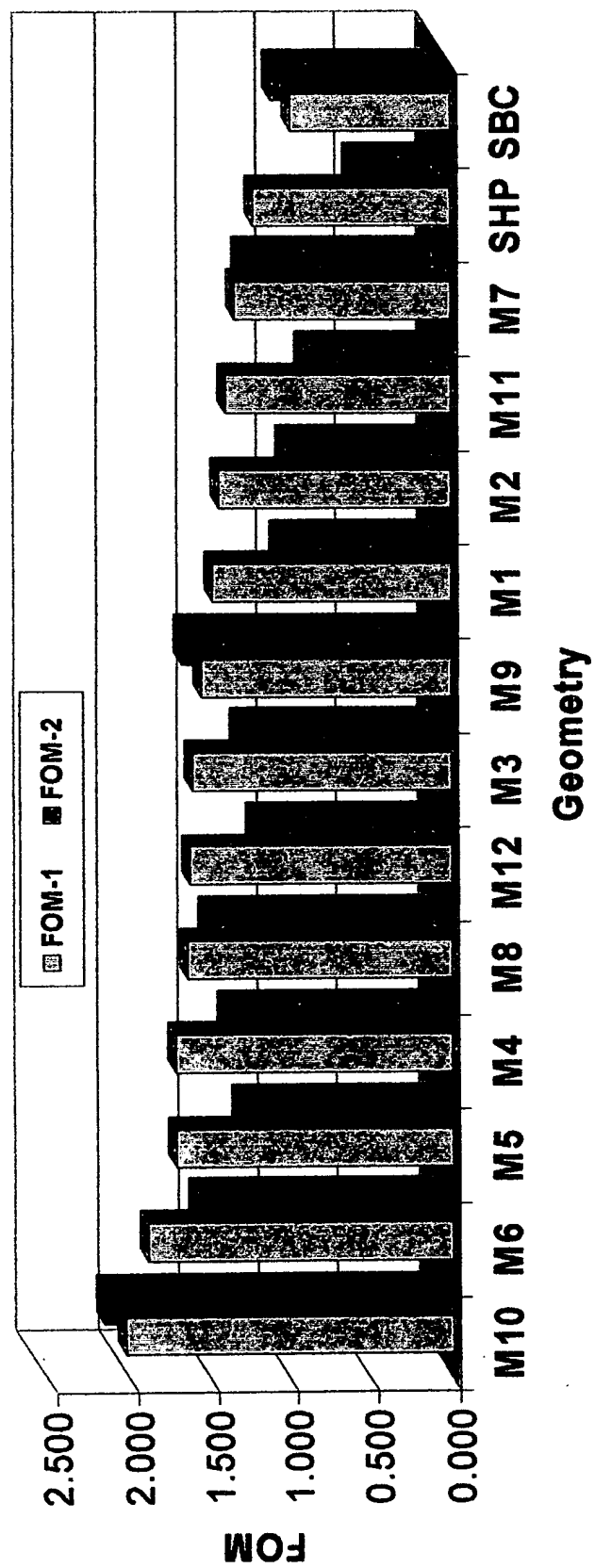


Fig 22.